

Patent Claims

1. A process for adjusting an operating interface, event messages, and/or measurement protocols of internet-capable process devices, such as control units, sensors, and/or actuators, which devices are connected by means of interfaces and/or networks, to given operating conditions, wherein
the following process steps are involved:
the storage of data files with standard tools as layout (layout file) in each device, and the use of the data files as layout in generating an adapted internet page when emails and/or FTP files are transmitted over FTP client services, in answering an inquiry made by a remote internet browser, or upon occurrence of predefined events.
2. A process according to claim 1,
wherein
the file serving as layout is an HTML file or any other file and is addressed by an FTP internet service and transmitted to the device.
3. A process according to claim 2,
wherein
the transmission of the files into the devices takes place during the ongoing operation of the process devices.
4. A process according to claim 2,
wherein

a standard operating surface or an adjusted operating surface can be selectively activated by the choice of address.

5. A process according to claim 4,

wherein

the standard operating surface can make available diagnostic aids for error functions that have arisen in the adjusted operating surface.

6. A process according to claim 1,

wherein

the layouts for the adjusted internet pages and for the adapted emails or measurement protocols contain code words to which actual data are assigned in the reply to inquiries from a remote internet browser.

7. A process according to claim 6,

wherein

special code words are provided for HTML constructs such as lists and tables and are entered in the layout and automatically copied in the device during its operation, while duplication is performed according to the number of existing bits of information or the number of process variables explicitly listed in the code word.

8. A process according to claim 1,

wherein

the transmission of emails for the adjustment of event messages and/or the transmission of FTP files for the adjustment of measurement protocols is triggered automatically by events such as the reaching or

exceeding of predetermined measured values and the appearance of predetermined status messages (such as error, process state, etc.).

9. A process according to claim 1,

wherein

the transmission of emails for the adjustment of event messages and/or the transmission of FTP files for the adjustment of measurement protocols is triggered in cyclical fashion at fixed, predetermined intervals or at predetermined times, as dependent on configurations that have been executed.

10. An arrangement for implementing the process according to claim 1,

wherein

the devices (13, 14, 15, 23) exhibit an internet server (133), an internet page generator (139), a layout storage (43, 138) for internet pages, FTP client/server units (137), and at least one interface suitable for digital communication.

11. An arrangement according to claim 10,

wherein

the devices (13, 14, 15, 23) include at least one interface (3 to 7, 20) suitable for digital communication, means for processing internet protocols, internet services, such as those for communication over internet browsers, email services, and/or FTP client services, as well as means for storing data files with standard tools as layouts in a file system and for safeguarding the files in a non-transient storage area.

12. An arrangement according to claim 11,

wherein

the digital interface for entering the layout files and the interface for networking the devices are identical.

13. An arrangement according to claim 11,

wherein

a separate interface is provided for entering the layout files.